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661	DE 3113743A1	10/1982			T		
770			Germany				
	WO 93/13533	8/1993	WIPO EPO		<u> </u>	_	
	0388146 A1	9/1990			 		
	0738831 A2	10/1996	EPO		 		<u> </u>
	0827163 A2	3/1998	EPO				
	2512714	09/1976	Germany		ļ		ļ
	0258036	03/1988	EPO				
	2302616A	01/1997	Great Britain				
	10-112413	04/1998	Japan		<u> </u>		<u> </u>
	1 125519	08/1989	Japan				
	1 63120	04/1989	Japan				
	62 197831	12/1987	Japan				
	9 186034	07/1997	Japan				
	5 267072	10/1993	Japan				
	3 236208	10/1991	Japan				
4	2 301105	12/1990	Japan				
112	58-61615	04/1983	Japan				
	OTHER DOC	UMENTS (including Author, Title, Date, Pertin	ent pages,	etc.)		
TN			N, Vol. 007, No. 233 (E-204), 15 Octob	er 1983 & .	JP 58 12271	3A (Har	nshin
\\\	Electric KK), 21 July 19						
1			N, Vol. 096, No. 005, 31 May 1996 & J	P 08 01765	7 A (Nippon	denso (Co.
J	Ltd.), 19 January 1996		N, Vol. 010, No. 035 (E-380), 12 Febru	any 1086 &	IP 60 1923	13 A /N	innon
	Denso KK), 30 Septem		14, Vol. 010, 140. 033 (E-300), 121 cbic	aly 1300 a	01 00 1323	15 // (14)	ippoii
			N, Vol. 013, No. 254 (E-772), 13 June	1989 & JP (01 053514A	(Nippor	Denso
	Co. Ltd.), 1 March 198						
1 '	l 1	OF JAPA	N, Vol. 096, No. 008, 30 August 1996	ß JP 08 086	3267A (Toyo	Denso	Co.
	Ltd.), 2 April 1996	OF IADA	N Vol 007 No 005 20 May 1007 9	D 00 01766	24 (Hitashi	I del Lide	abi
	Automot Eng Co Ltd),		N, Vol. 097, No. 005, 30 May 1997 & J	P 09 01766	ZA (Hitachi	Liu: mila	BCIII
			N, Vol. 018, No. 430 (C-1236), 11 Aug	ust 1994 &	JP 06 12847	71A (Tor	ray Ind
	Inc); 10 May 1994						
9	PATENT ABSTRACTS		N, Vol. 096, No. 003,29 March 1996 &	JP 07 3128	39 A (Mitsu	bishi Ele	ectric
	Corp); 28 November 1						
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	5 703 556	12/1997	KIKUTA			 	
	4 982 498	01/1991	UMEZAKI		<u></u>	<u> </u>	
	4 803 454	01/1991	UMEZAKI				
	4 736 179	04/1988				 	
	4 736 179	07/1985	BEHNKE		 	 	
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	4 325 096	04/1982	SUNOHARA			<u> </u>	
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11~	Y2-59-030501	08/1984	JAPAN				ļ
	A 09-022825	01/1997	JAPAN				
	A 09-180948	07/1997	JAPAN				
	A 09-171934	061997	JAPAN				
	A 9-167709	06/1997	JAPAN			ļ	
	0 782 231 A1	021997	EP				<u> </u>
	A 05-021242	01/1993	JAPAN				
	A 62-166745	07/1987	JAPAN		ļ		
	A 50-74123	06/1975	JAPAN		<u> </u>	L	
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TIN	A 05-146107	6/1993	JAPAN				ļ
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	61-158116	07/1986	JAPAN	1			XX	
	08-203757	08/1996	JAPAN	1			XX	
	07-142233	06/1995	JAPAN	1			XX	
	60-103608	06/1985	JAPAN	ł			XX	
	62-172127	10/1987	JAPAN	1	concise	explanation		
L	3028977	07/1996	JAPAN	1	concise	explanation		
	2-92912	07/1990	JAPAN	1	concise	explanation		
d	10-22144	02/1998	JAPAN	1			xx	
TIN	4-144218	05/1992	JAPAN	Ī				
	OTHER DOCU	MENTS (incl	uding Author, Title,	Date, Pertine	nt pages, e	tc.)		
TIN	Journal of NIPPONDEN November 15, 1991 with	SO Technical 1 Translation	Disclosure; Ignition De	vice for Interna	l Combustion	Engine; No.	81-083;	
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-	64-001445 05-012922	01/1989	JAPAN JAPAN			XX	
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